


Dichotomous Key

- used to identify unknown organisms
- gives 2 (di) choices to follow



Spider Key

plants

- narrow leaf
 - bell-like flower bluebell
 - trumpetlike flower wild daffodil
- broad leaf
 - top petal overhangs lower petal dead nettle
 - top petal does not overhang lower petal
 - heart-shaped leaf lesser celandine
 - club-shaped leaf primrose

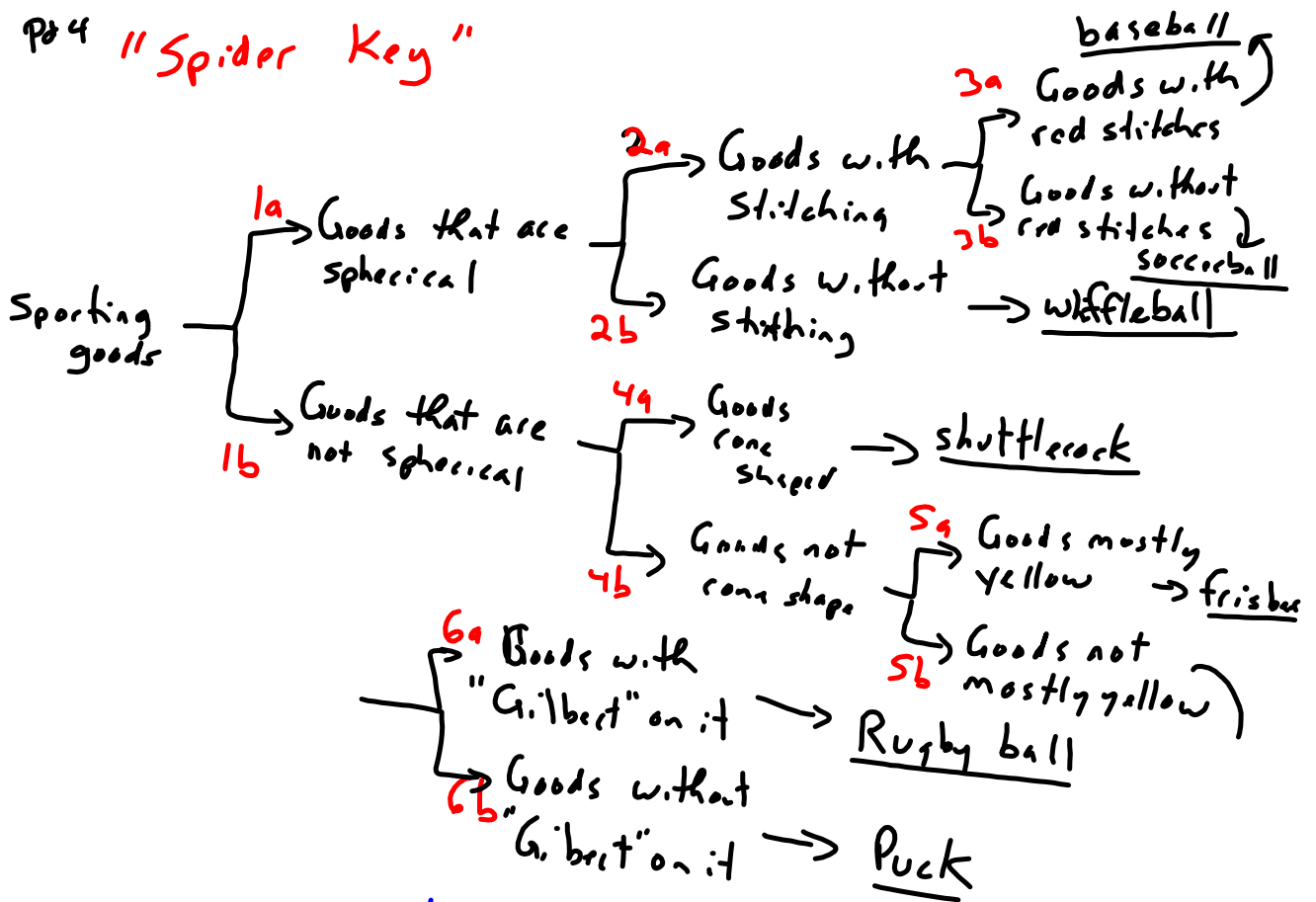
1. narrow leaf go to 2
broad leaf go to 3

2. bell-like flower bluebell
trumpetlike flower wild daffodil

3. top petal overhangs lower petal dead nettle
top petal does not overhang lower petal go to 4

4. heart-shaped leaf lesser celandine
club-shaped leaf primrose

p4 "Spider Key"



Dichotomous Key

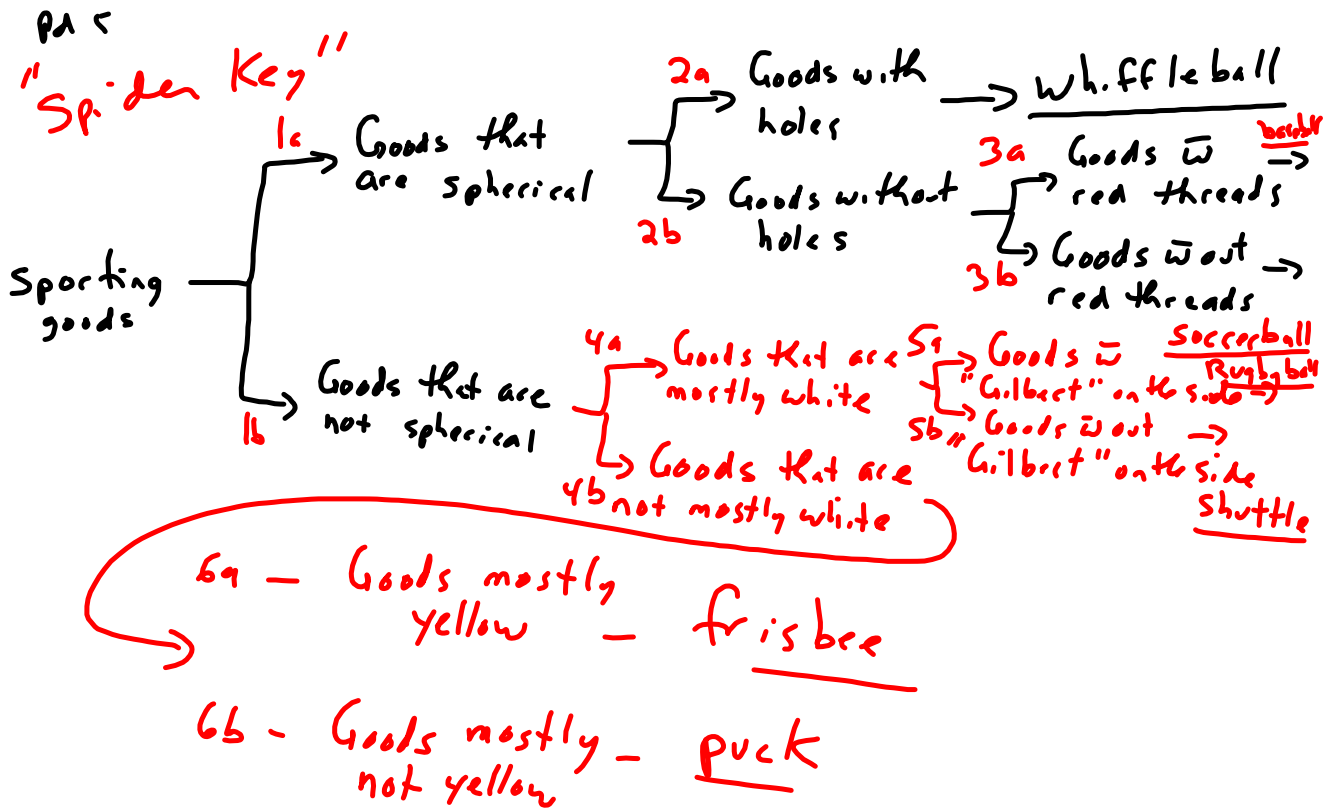
- 1a Goods that are spherical ... go to step 2
- b Goods that are not spherical ... go to step 4

- 2a Goods with stitches ... go to step 3
- b Goods without stitches ... whiffleball

- 3a
- b

① Complete Crazy Creature Key
* Show me !!

② Table p 459 (Don't worry about
copy domain row)



Dichotomous Key

- 1a Goods that are spherical . . . go to step 2
- b Goods that are not spherical . . . go to step 4

- 2a Goods with holes . . . Whiffleball
- b Goods without holes . . . go to step 3

- 3a
- b

1. Page 462 - 463 in text. Identify leaves.
2. We will prepare a spider key and a dichotomous key for a few sporting items
3. Construct a spider key and dichotomous key for the crazy creatures (work in pairs...for practice).
4. Prepare a spider and a dichotomous key for tree species (work in pairs....pass in for 15 marks)
5. Use key to identify salamanders...practice.
6. Use the key provided to identify different shark families (pass in for marks)

Write the numbers 1 to 7 on your page

Dichotomous Key for Leaves

1. Compound or simple leaf
 - 1a) Compound leaf (leaf divided into leaflets)
.....go to step 2
 - 1b) Simple leaf (leaf not divided into leaflets)
.....go to step 4
2. Arrangement of leaflets
 - 2a) Palmate arrangement of leaflets (leaflets all attached at one central point)
.....*Aesculus* (buckeye)
 - 2b) Pinnate arrangement of leaflets (leaflets attached at several points)
.....go to step 3
3. Leaflet shape
 - 3a) Leaflets taper to pointed tips
.....*Carya* (pecan)
 - 3b) Oval leaflets with rounded tips
.....*Robinia* (locust)
4. Arrangement of leaf veins
 - 4a) Veins branch out from one central point
.....go to step 5
 - 4b) Veins branch off main vein in the middle of the leaf.....go to step 6
5. Overall shape of leaf
 - 5a) Leaf is heart-shaped.....*Cercis* (redbud)
 - 5b) Leaf is star-shaped
.....*Liquidambar* (sweet gum)
6. Appearance of leaf edge
 - 6a) Leaf has toothed (jagged) edge
.....*Betula* (birch)
 - 6b) Leaf has untoothed (smooth) edge
.....*Magnolia* (magnolia)

